SRF-220

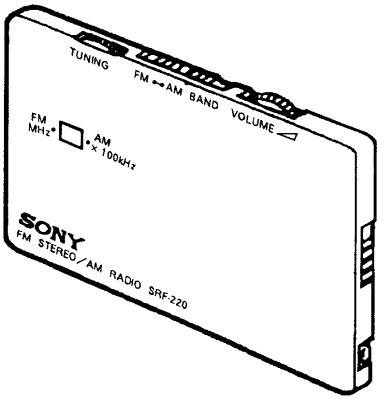
SERVICE MANUAL

Tourist Model

Ver 1.0 2000. 03

With SUPPLEMENT-1 (9-960-139-81)

With SUPPLEMENT-2 (9-960-139-82)



SPECIFICATIONS

Frequency range:
- FM: 76-108 MHz
- AM: 530-1,605 kHz

Output:
- Headphones jack (Stereo super mini jack 2.5 mm dia.)

Power output:
- 6 mW + 6 mW/16 Ω (at 10% harmonic distortion)

Power requirements:
- 3 V DC, one CR2032 litium battery

Battery life:
- Using Sony CR2032 litium battery
- FM reception: Approx. 20 hours (0.02 mW + 0.02 mW)
- AM reception: Approx. 30 hours (0.02 mW + 0.02 mW)

Dimensions:
- Approx. 54.7 × 86.0 × 4.9 mm (w/h/d) ($2^1/_4 \times 3^1/_2 \times {}^1/_4$ inches) incl. projecting parts and controls

Mass:
- Approx. 47 g (1 oz.) incl. battery and headphones

Supplied accessories:
- Sony CR2032 litium battery (1)
- Stereo headphones (1)
- Ear pad (2)

Design and specifications subject to change without notice.

MICROFILM

FM STEREO/AM RADIO

SONY

Notes on chip component replacement

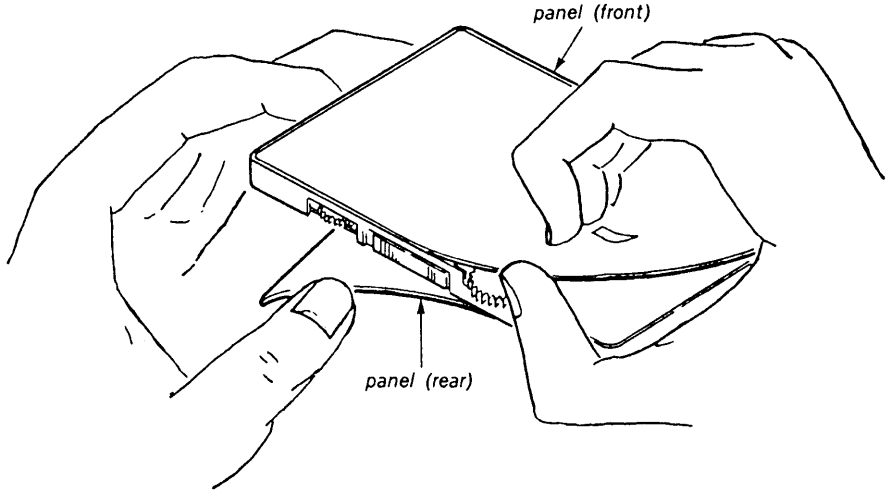
- Never reuse a disconnected chip component.
- Notice that the minus side of a tantalum capacitor may be damaged by heat.

SECTION 1
DISASSEMBLY

Note: Follow the disassembly procedure in the numerical order given.

PANEL (FRONT) AND PANEL (REAR) REMOVAL

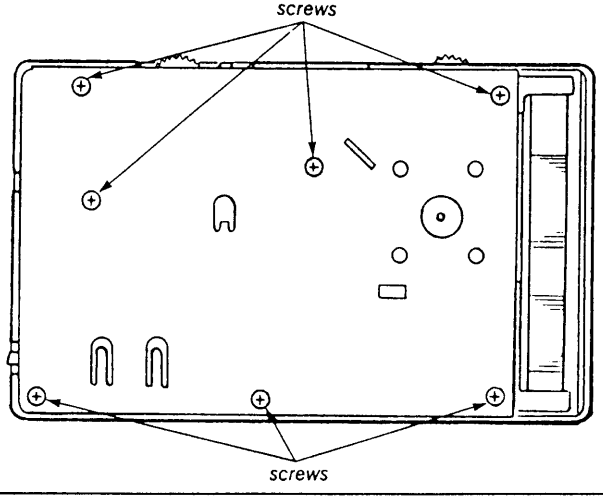
Remove a panel (front) and a panel (rear) as illustrated below.



MAIN BOARD REMOVAL

① Remove a battery holder.

② Unscrew seven screws.

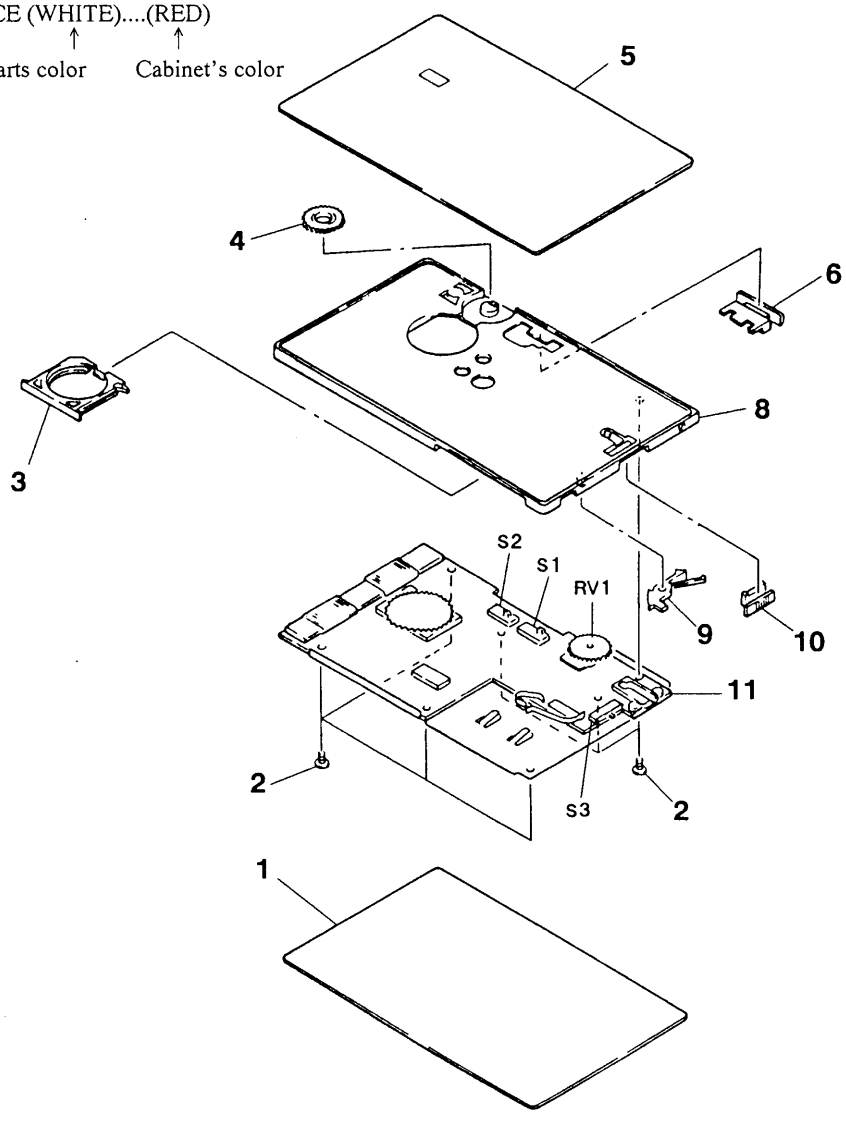


SECTION 2
EXPLODED VIEW

NOTE :

- -XX, -X mean standardized parts, so they may have some difference from the original one.
- Items marked " * "are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- Color indication of Appearance Parts Example :
  KNOB, BALANCE (WHITE)....(RED)
  ↑ Parts color ↑ Cabinet's color
- The mechanical parts with no reference number in the exploded views are not supplied.

- The parts with no reference number in the exploded view are not supplied.



Ref. No.	Part No.	Description	Remark
1	3-923-346-01	PANEL (REAR) (BLACK)	
1	3-923-973-01	PANEL (REAR) (RED)	
2	3-895-823-01	SCREW (B1.4×2.3), TAPPING	
3	3-899-111-01	HOLDER, BATTERY	
4	3-899-103-01	KNOB (TUNING)	
5	3-923-345-01	PANEL (FRONT) (BLACK)	
5	3-923-972-01	PANEL (FRONT) (RED)	
6	3-899-105-01	KNOB (BAND SELECTION)	
* 8	3-388-441-01	FRAME	
9	3-899-106-01	BUTTON	
10	3-899-104-01	KNOB (POWER)	

Ref. No.	Part No.	Description	Remark
* 11	A-3679-658-A	MAIN BOARD, COMPLETE	
RV1	1-237-856-11	RES, VAR, CARBON 20K (VOLUME)	
S1	1-571-674-11	SWITCH, SLIDE (BAND)	
S2	1-571-674-11	SWITCH, SLIDE (BAND)	
S3	1-571-275-11	SWITCH, SLIDE (POWER/AUTO OFF)	
**********	**********	**********	
		ACCESSORIES & PACKING MATERIALS	
		**********	
	3-798-804-01	MANUAL, INSTRUCTION (JAPANESE, ENGLISH)	
	8-953-099-90	HEADPHONE MDR-E505MM SET	
	X-3329-657-1	ATTACHMENT	

9-960-139-11

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1998.03

SUPPLEMENT-1

File this supplement with the service manual.

Subject : Addition of Color Panel

(ECN-TR701117)

Page	Former			New		
	No.	Part No.	Description	No.	Part No.	Description
3	1	3-923-346-01	PANEL (REAR) (BLACK)	1	3-923-346-01	PANEL (REAR) (BLACK)
	1	3-923-973-01	PANEL (REAR) (RED)	1	3-923-973-01	PANEL (REAR) (RED)
				1	3-024-729-01	PANEL (REAR) (BLUE)
				1	3-024-731-01	PANEL (REAR) (PINK)
	5	3-923-345-01	PANEL (FRONT) (BLACK)	5	3-923-345-01	PANEL (FRONT) (BLACK)
	5	3-923-972-01	PANEL (FRONT) (RED)	5	3-923-972-01	PANEL (FRONT) (RED)
				5	3-024-728-01	PANEL (FRONT) (BLUE)
				5	3-024-730-01	PANEL (FRONT) (PINK)

9-960-139-81

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Personal & Mobile Communication Company

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2000. 03

SUPPLEMENT - 2

File this Supplement with the Service Manual.

Subject : ADDITION OF COLOR PANEL

(ECN-TRA00483)

Page	Former Type				New Type		
	Ref. No.	Part No.	Description	Remark	Part No.	Description	Remark
3	1	3-923-346-01	PANEL (REAR) (BLACK)		3-923-346-01	PANEL (REAR) (BLACK)	
		3-923-973-01	PANEL (REAR) (RED)		3-923-973-01	PANEL (REAR) (RED)	
		3-024-729-01	PANEL (REAR) (BLUE)		3-024-729-01	PANEL (REAR) (BLUE)	
		3-024-731-01	PANEL (REAR) (PINK)		3-024-731-01	PANEL (REAR) (PINK)	
					3-047-742-01	PANEL (REAR) (GREEN)	
					3-047-743-01	PANEL (REAR) (ORANGE)	
					3-047-744-01	PANEL (REAR) (WHITE)	
					3-047-745-01	PANEL (REAR) (GRAY)	
	5	3-923-345-01	PANEL (FRONT) (BLACK)		3-923-345-01	PANEL (FRONT) (BLACK)	
		3-923-972-01	PANEL (FRONT) (RED)		3-923-972-01	PANEL (FRONT) (RED)	
		3-024-728-01	PANEL (FRONT) (BLUE)		3-024-728-01	PANEL (FRONT) (BLUE)	
		3-024-730-01	PANEL (FRONT) (PINK)		3-024-730-01	PANEL (FRONT) (PINK)	
					3-047-741-01	PANEL (FRONT) (GREEN, ORANGE, WHITE, GRAY)	

9-960-139-82

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Personal Audio Division Company

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